

Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1. (currently amended): An installation for treating, ~~in particular for coating,~~ articles, ~~especially vehicle bodies, having~~ comprising:
- a) at least one treatment zone, ~~in particular a bath containing a treatment liquid,~~ into which the articles are introduced; and
 - b) a conveying means, with which the articles may be conveyed through the installation in a continuous or intermittent translational movement and which comprises:
 - at least one pair of transport carriages, which in turn comprises:
 - a first transport carriage comprising:
 - ~~ba)~~ a running gear; and
 - ~~bb)~~ at least one swivel arm, which is connected with the running gear ~~so as to be swivellable~~ about a first pivot pin and with which a first point of a supporting structure for the article to be treated is connected ~~so as to be swivellable~~ about a second pivot pin; and
- ~~characterized in that~~
- ~~e) a second transport carriage is assigned to each transport carriage, which likewise comprises:~~
 - ~~ea)~~ a running gear; and
 - ~~eb)~~ at least one swivel arm, which is connected with the running gear ~~so as to be swivellable~~ about a first pivot pin and with which a second point of the supporting structure is connected ~~so as to be swivellable~~ about a second pivot pin;
- ~~in such a way that: wherein~~
- ~~dc)~~ the at least one pair of two transport carriages comprises the following six degrees of freedom of motion:
 - a translational movement of the first transport carriage;
 - a translational movement of the second transport carriage;
 - a swivelling of the at least one swivel arm of the first transport carriage about the first pivot pin thereof;

a swivelling of the at least one swivel arm of the second transport carriage about the first pivot axis thereof;

a swivelling of the supporting structure about the second pivot pin of the first transport carriage; and

a swiveling of the supporting structure about a second pivot pin of the second transport carriage;

~~wherein; and,~~

ed) drives are provided for at least three of the above-mentioned six degrees of freedom of movement, drives are provided, and at least one of which the drives is a translational drive.

2. (currently amended): ~~An~~ The installation according to ~~of~~ claim 1, ~~characterized in that wherein~~ drives are provided for four degrees of freedom of motion, ~~wherein and~~ at least one ~~of the drives~~ is actuated by a control means which is compatible with the drives of the other degrees of freedom of motion.

3. (currently amended): ~~An~~ The installation according to ~~of~~ claim 21, ~~characterized in that wherein~~ both the first and second transport carriages of a the at least one pair of transport carriages comprise a translational drive.

4. (currently amended): ~~An~~ The installation according to ~~of~~ claim 2, ~~characterized in that wherein~~ one of the first or second transport carriages of a the at least one pair of transport carriages comprises a translational drive and a drive is provided ~~with which~~ varies the a spacing between the ~~two first and second transport carriages of the at least one pair of transport carriages~~ may be varied.

5. (currently amended): ~~An~~ The installation according to ~~of~~ claim 4, ~~characterized in that wherein~~ the drive provided which changes-varies the spacing is a spindle drive.

6. (currently amended): ~~An~~ The installation according to ~~of~~ claim 1, ~~characterized in that wherein~~ all the drives for all the degrees of freedom of motion are arranged on one ~~of the transport carriages~~ of the at least one pair of transport carriages.

7. (currently amended): ~~An~~ The installation according to ~~of~~ claim 1, ~~characterized in that wherein~~ the drives for the degrees of freedom of motion are distributed between the ~~two first~~

and second transport carriages of the at least one pair of transport carriages.

8. (currently amended): ~~An~~ The installation according to ~~of~~ claim 1, in which a wherein the treatment zone comprises a dipping tank for electrophoretic dip coating, ~~characterized in that~~ wherein one of the first or second transport carriages of a the at least one pair of transport carriages effects a connection between ~~the one~~ a pole of a voltage source and the article to be coated, while the other of the first or second transport carriages of the at least one pair of transport carriages effects a connection between ~~the~~ an opposite pole of a voltage source and an auxiliary electrode carried inside the article to be coated.